

AMENDMENTS TO THE CLAIMS

1. (Original) An image display device having a group of pixels arranged in a matrix in a predetermined array and assigned to three primary colors, and having a signal line connected for each column of the group of pixels, wherein pixel data of three primary colors are successively supplied for each color to a corresponding signal line during a period excluding a blanking period of one horizontal scanning period constituted by a line display period for the color display of one pixel line, and wherein

a select switch is connected to each of the signal lines, and

a precharging control circuit is connected to the select switch,

the precharging control circuit supplies permission pulses for the supply of data to signal lines when making them display one color among three primary colors in the line display period to the select switch of the corresponding signal line to turn the same on, turns on the select switch of the signal line corresponding to another color to be displayed later in the same line display period during a period of supply of permission pulses of the supply of data with a precharge pulse having a time duration shorter than the supply time of the pixel data of the other color, and precharges the signal line of the other color in advance to a predetermined potential.

2. (Currently amended) ~~An~~ The image display device as set forth in claim 1, wherein the precharging control circuit changes the time duration or number of the precharge pulses to increase the time of the precharge the shorter the time duration of the permission pulse for the supply of data and the later the display of the color in the line display period.

3. (Currently amended) ~~An~~ The image display device as set forth in claim 1, wherein the precharging control circuit supplies the precharge pulse for the precharge in the blanking period located in the head portion of one horizontal scanning period to the signal line corresponding to the color to be displayed first during the line display period.

4. (Original) An image display panel having a group of pixels arranged in a matrix in a predetermined array and assigned to three primary colors, and having a signal line connected for each column of the group of pixels, wherein pixel data of three primary colors are successively supplied for each color to a corresponding signal line during a period excluding a blanking period of one horizontal scanning period constituted by a line display period for the color display of one pixel line, and wherein

the image display panel is provided with a precharging control circuit, and
the precharging control circuit is connected to a select switch connected to each of the signal lines, supplies permission pulses for the supply of data to signal lines when making them display one color among three primary colors in the line display period to the select switch of the corresponding signal line to turn the same on, turns on the select switch of the signal line corresponding to another color to be displayed later in the same line display period during a period of supply of permission pulses of the supply of data with a precharge pulse having a time duration shorter than the supply time of the pixel data of the other color, and precharges the signal line of the other color in advance to a predetermined potential.

5. (Original) A panel drive device for successively supplying pixel data of three primary colors for each color to a corresponding signal line of an image display panel having a group of pixels arranged in a matrix in a predetermined array and assigned to three primary colors and having the signal line connected for each column of the group of pixels during a period excluding a blanking period of one horizontal scanning period constituted by a line display period at the time of driving each pixel line,

the panel drive device having a built-in precharging control circuit, and wherein
the precharging control circuit is connected to a select switch connected to each of the signal lines, supplies permission pulses for the supply of data to signal lines when displaying one color among three primary colors in the line display period to the select switch of the corresponding signal line to turn the same on, turns on the select switch of the signal line corresponding to another color to be displayed later in the same line display period during a period of supply of permission pulses of the supply of data with a precharge pulse having a time duration shorter than the supply time of the pixel data of the other color, and precharges the signal line of the other color in advance to a predetermined potential.

6. (Original) A method of driving an image display panel for successively supplying pixel data of three primary colors for each color to a corresponding signal line of an image display panel having a group of pixels arranged in a matrix in a predetermined array and assigned to three primary colors and having the signal line connected for each column of the group of pixels during a period excluding a blanking period of one horizontal scanning period constituted by a line display period for color display for each pixel line, comprising

supplying permission pulses for the supply of data to signal lines when making them display one color among three primary colors in the line display period to the select switch of the corresponding signal line to turn the same on and

turning on the select switch of the signal line corresponding to another color to be displayed later in the same line display period during a period of supply of permission pulses of the supply of data with a precharge pulse having a time duration shorter than the supply time of the pixel data of the other color so as to precharge the signal line of the other color in advance to a predetermined potential.

7. (Currently amended) ~~A~~The method of driving an image display panel as set forth in claim 6, further comprising changing the time duration or number of the precharge pulses to increase the time of the precharge the shorter the time duration of the permission pulse for the supply of data and the later the display of the color in the line display period.

8. (Currently amended) ~~A~~The method of driving an image display panel as set forth in claim 6, further comprising supplying the precharge pulse for the precharge in the blanking period located in the head portion of one horizontal scanning period to the signal line corresponding to the color to be displayed first during the line display period.